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The Ecological Protection Research Based on the Cultural Landscape Space Construction in Jingdezhen

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Abstract

As a historical and cultural city, Jingdezhen is now faced with new challenges that exhausted porcelain clay resources restricted economic development. This paper will explore the rich cultural landscape resources from the viewpoint of the cultural landscape space, conclude that Jingdezhen is an active state diversity and animacy cultural landscape space which is composed of ceramics cultural landscape as the main part, and integrates with tea, local opera, natural ecology, architecture, folk custom, religion cultural landscape, and study how to build an mechanism of Jingdezhen ecological protection.

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1 . Introduction

In 2009, Jingdezhen was one of the resource-exhausted cities listed by the State Council due to exhausted porcelain clay resources which showed its atypicality and diversity. Facing with the current development dilemma, the foundation of “Eco-economic zone around Poyang Lake” program provides Jingdezhen with a new opportunity in developing, with the new angle of cultural landscape space against transformation of economic development, The research that how JDZ could realize the sustainable development pattern of the harmonization between human and nature, the ecological civilization and the development of economy and society that would offer a new way to JDZ in ecological protection.

The current situation of JDZ ceramic-making industry

JDZ is famous as “Porcelain Capital” throughout the world with millennium porcelain-making tradition. As time goes by, JDZ is faced with the current status of porcelain clay resources depletion after years of extraction, and is the only exhausted resources city due to exhausted porcelain clay resources.

Some relative statistics show: In history, porcelain clay resources are widely distributed within JDZ,

nearly 30% of the land area having the reservation of porcelain clay resources, it has been hundreds of years when the Qing imperial kilns were set up to explore porcelain clay resources on a large scale. After 1949, the government built the large and medium-sized porcelain clays (Dazhou, Ningchun, Huameilong, Malongtang etc.) in JDZ. The total amount of the reservation of porcelain clay resources in Ningchun, Huameilong, Malongtang reached 5 million tons, and the exploitation of them from 1980s to now nearly comes to an end. The porcelain clay mines and ceramic-making enterprises amounting to 316 in 1990s sharply reduced to 157 in 2007, 13 porcelain clay mines whose output over 50 thousand tons per year being shut down. From 2005 to 2007, the output value of JDZ porcelain clays and ceramic-making enterprises in the total industry output value declined by 11.9%, 11.7%, 11.3%; the proportion of the employees of porcelain clay mines and ceramic-making enterprises in total employees from 20.1% in 2005, 17.3% in 2006 to 11.2% in 2007.[1]

The impacts of the program of Eco-economic zone around Poyang lake on the economic and society development of JDZ

Porcelain clay is the raw material of porcelain making and the basis of the porcelain industry. The depletion of porcelain clay resources makes the development of the porcelain industry face bottleneck; at the same time, JDZ also has the access to new challenge which can transform the mode of development. Responding to the depletion, on the one hand, we should amplify the intensity of mineral exploration as well as find available porcelain clay resources in other provinces; on the other hand, we must increase the investment in porcelain research and design, improve the recipe of clay to adapt to the conditions of the diversified source and depletion of porcelain clay resources.

But faced with the plight of resources, these measures can't completely satisfy or solve the driving force of economic and society development needs in JDZ. The establishment and implement of the Poyang lake program will provide JDZ with unprecedented opportunities in developing. The Eco-economic zone around Poyang Lake includes Nanchang, Jingdezhen and Yingtang involving some counties of Jiujiang, Fuzhou, Yichun, Shangrao and Ji'an, with the total amount up to 38 counties. The whole area of JDZ was included in the program what will bring benefit to JDZ's society and economic development a lot through the national strategy platform. Under the reality of resources depletion, transforming the mode of development and developing into the eco-economic and low-carbon economic developing zone aiming at the harmony between human and nature, ecological civilization and the development of economic and society are the inevitable paths to be an ecological city.

The research of JDZ's cultural landscape space

JDZ is famous as Porcelain Capital, and is the first historical and cultural city that the state council has published. "China is famous as porcelain country, the peak of porcelain industry in JDZ", the millennium porcelain-making history give JDZ a rich heritage of culture. In JDZ, we can see the scenes of porcelain culture not only in the streets and county villages, but also in the porcelain-making workshop and city attractions, and it shapes up into unique ceramic cultural landscape. From the angle of cultural landscape and city space, the whole city is a special landscape space of porcelain-making culture and traditional culture. This kind of cultural landscape space is not only static distribution of cultural landscapes in the space, such as museums, ancient kiln sites, porcelain-making workshop etc. but also the dynamic landscape of human and object flowing in the space, such as workers carrying blanks on the street, the process of porcelain-making by hand etc. The reservation of porcelain-making tradition reveals the living animacy from the JDZ ceramic cultural landscape space which has the sense of the scene and direct display of cultural landscape. Visitors can witness the whole process of porcelain-making. Life extension and direct display of the traditional culture and porcelain-making craft filled the city, and involved in the rhythm of the city and people's life, so visitors can feel the impact and charming of the ceramic cultural landscape in the city space.

Apart from the all-known ceramic cultural landscape space, the tea cultural landscape of Fuliang with

long history is an important part of JDZ cultural landscape space. The subordinate relation between JDZ and Fuliang changed times but never split. They were famous for porcelain and tea in ancient time, and tea was more famous than porcelain before Tang Dynasty, since then, the development of porcelain industry surpassed the tea manufacturing.[2] Fuliang was the trade centre of tea in our country, “*sale 7 million packs per year, tax 150 thousand strings of 1000 coins*” in Tang Dynasty, “*businessman leave for business, buy the tea last month at Fuliang*” in the *PiPa Xing* of Bai Juyi, “*people favor the tea of Fuliang and Shezhou*” in *Tea and Wine* of Wan Fu in Tang Dynasty etc. Fuliang produced renowned tea and also be the tributes since ancient times, such as Xianzhi and Nenrui were famous in Tang and Song Dynasty, and was the tributes in the Ming and Qing Dynasty; the Tianxiang brand black tea got the gold award of Panama World Exposition in 1915. The Black and Green tea of Fuliang are treasures, all these historical records reflect that Fuliang was a major area in tea producing and trading hub. Not only did of Fuliang tea have a long history of cultivation and trade since Han Dynasty, but also it combined porcelain, and formed a tea cultural landscape in developing ceramic utensil involving the local custom and traditional culture.

Leping is the other county of JDZ, whose cultural landscape is notable in ancient stage with its large amounts, exquisite workmanship and various styles. According to the recent statistics of local cultural department in 2002, there're 412 ancient stages in total which was one-fifth of the total in Jiangxi. Leping had a wide distribution of ancient stages whose origin dated back to the Song Dynasty and displayed in all dynasties with a long history of 600 years. We can consider Leping as an ancient stage museum with its clearance of the construction performance and development structure. The mainly ancient stages are 5 kinds: courtyard style, guild hall style, Wannian style, temple style, clan hall style, with the Wannian style and clan hall style ancient stages being the representatives with the outstanding art performance.[3] The density and elegance of ancient stage can reflect the fashionable degree with the form of Gan opera, Raohe play in Leping, The fond and rich growing soil of opera in Leping, the sayings like “*Hong's moral courage, Ma's articles*”, “*one king, two marquis, three Emperor's Son-in-laws, four prime ministers, five of them are champions, runner-ups and second runner-ups in the imperial examination, more than 300 scholars*”, reflect the prosperity of cultural life of Leping. The local opera cultural landscape based on the traditional culture which is characterized by Gan opera, Raohe play and Leping ancient stage shape up the local opera landscape space.

JDZ has a fine natural and ecological environment and rich natural and ecological landscape resources, and its whole area is characterized by mountains and the coverage rate of forest and vegetation amounts to 70%. The natural and ecological landscape with different scenes, such as Yaoli, Hongyuan xianjing, Moon Lake, Jingzhu shanzai, Yutian Lake, Yangwan etc, takes shape in the natural ecology cultural landscape space which is characterized by geological landform and weather of regional geography.

JDZ locates in the northeastern of Jiangxi province, which has a common border with Huizhou, both areas are hilly terrain, therefore, the Huizhou architecture has an effect on JDZ's architecture, the style of the heritage buildings of JDZ (like the folk houses, clan halls, workshops, Lanes and alleys etc.) mainly belongs to Huizhou architectural style. The main heritage buildings are Ming and Qing Dynasty's architecture, such as Shigang scenic spot, Cheng's clan hall, Imperial Scholars mansion, Ming and Qing Dynasty Commercial Street, and Ming Dynasty folk house in Xiangji lane etc. The traditional architecture as a form of expression of cultural landscape plays an important role in the JDZ cultural landscape space.

The folk custom and diet culture in JDZ has a clearly local characteristic. The feature of porcelain and village custom is the key to the cultural landscape space. Among the porcelain custom, the manufacturing custom, guild hall culture, guild regulations and jargons, festival custom and so on have the peculiarity and charm in cultural landscape, such as TaiPing kiln, meet-making activity, HuaZhao festival, BianGong festival. The diet in JDZ has a characteristic in the qualities of native and industry, such as Jiaoziba,

Jianshuiba, porcelain clay bake chicken, Leping Taosu and dog meat, most of these delicious foods are the landscapes of taste and sight in local life and cultural activities. The native cultural diet and the feature of ceramic industry in JDZ shape the dynamic and perception landscape of JDZ cultural landscape space.

Apart from the above-mentioned, JDZ cultural landscape space also contains Buddhism cultural landscape, such as Red Tower in Song Dynasty, Baoji temple, home village of FoYin, the red cultural landscape, such as the old house of Chengyi in Yaoli village, the conference hall where mobilize the resistance against Japan, the encampment for guerrilla forces by Red Army and Dongbu village, the film *The Sparkling Red Star*'s exterior photographic site, and the feudal power cultural landscape, such as Five Grades for ancient Yamun in Fuliang. All of these cultural landscapes are the key words that won't be overlooked in JDZ's cultural landscape space, and they also become the essential part of shaping the background of historical culture and the foundation.

The ecological protection research based on the construction JDZ cultural landscape space

1. Grasping the opportunity of Eco-economic zone around Poyang Lake, JDZ actively integrates into the development of Eco-economic zone around Poyang Lake. When dealing with the problems about exhausted resources, its main idea is how to transform the mode of economic development to sustainable development mode. The construction of Eco-economic zone around Poyang Lake is centering on Poyang Lake in Jiangxi, with the city circle of Poyang lake as the base, with the ecological protection and economic development as the important strategic conception, and construct Eco-economic zone around Poyang Lake into ecological economic representative area and low-carbon economic antecedent area which is harmonious between ecological civilization and economic social development, man and nature in china. Innovating in the development mechanism, protecting the quality of ecological environment, building the eco-industrial system, and constructing JDZ into a leading city of ecological civilization are the goal and pattern of the merge into the Poyang Lake's construction.

2. Take full advantage of the cultural landscape resources of JDZ to build distinctive cultural landscape. Jingdezhen has a profound cultural background and distinctive cultural landscape, and thousand years of porcelain-making tradition accumulates a unique cultural landscape, whose display in the urban space shape a special cultural landscape space -- the advantages of JDZ's social economic development. The distribution and possession of the distinctive tangible and intangible cultural heritages in the cultural landscape space are the unique cultural landscape resources of JDZ. We can integrate planning and layout the city space and change the way of economic growth from the perspective of cultural landscape space

The cultural landscape of ceramic, tea, local opera, natural ecology, architecture, folk custom and diet, Buddhism, the Red and the feudal power jointly comprise Jingdezhen's cultural landscape space. The cultural landscapes distribute and flow in the space, combine the active cultural landscape and the notion of space, integrate the ceramic cultural landscape with the tea local opera, natural ecology, architecture, folk custom and diet, Buddhism, the Red and the feudal power cultural landscape form the active state diversity and animacy cultural landscape space in JDZ.

On the Basis of the construction of cultural landscape space for ecological protection in JDZ, we should layout and plan the city space from macro perspective, strengthen urban infrastructure construction, increase the construction and protection of the urban cultural landscape, design cultural landscape, promote the features of JDZ cultural landscape, show the outstanding cultural landscape which can not be copied, and create a unique tourism brand of JDZ,

3. Changing the mode of development and vigorously promoting the green ecological industry's growth and development. When it comes to the construction of the Eco-economic zone around Poyang Lake, the economic development approach of ecological civilization, low-carbon environment and sustainable development's traits have a high degree of consistency with the whole plan of social economic and urban development. We should largely promote the development of ceramic industry, tourism, agriculture, and then spur and guide the ceramic cultural and creative industries, the research and

design of ceramic, food industries, the business of hotels and entertainment, logistic industry, take shape in the strong development of large quantities of green ecological industries, remedy for the elimination of non-green economic industry, such as high pollution, high emissions and the impact of the exhausted raw material resources on porcelain-making industry, thoroughly transform the mode of JDZ's economic development, to be in keeping with the aim and pattern of the Eco-economic zone around Poyang Lake project as the national strategy, and also be in keeping with prosperous development by JDZ itself, then form a good coexistent balance of good ecological environment and rapidly healthy development.

Conclusion

1. JDZ is one of the exhausted cities in our country, and this development status brings troubles and challenges for social economic development. JDZ belongs to National Strategy's Eco-economic zone around Poyang Lake plan and it will bring about the unprecedented opportunity for JDZ's development.

2. JDZ, regarded as a green ecological and historical cultural city, has a large number of tangible and intangible cultural heritages. JDZ brings out ceramic cultural landscape which treats ceramic cultural landscape as the main object and integrates with tea, local opera, architecture, folk, religious, the red and the feudal power cultural landscape to form the active state diversity and animacy cultural landscape space of JDZ by a long historical development. This essay analyzes the plentiful cultural landscape resources of JDZ and explores how to transform the mode of economic development under the new period and background from the perspective of cultural landscape space so as to provide a new way to protect the ecological environment of JDZ.

3. With an accumulation of rich history and characteristic charm of cultural landscape, the cultural landscape space of JDZ is characterized by its diversity, active state and animacy. Integrating it with the ecological civilization, low-carbon environment, sustainable development's pattern of Eco-economic zone around Poyang Lake, we should protect the traditional cultural landscape and historic sites, take the advantages of the angle of cultural landscape space to plan and construct the urban and village, improve the city and village's environment, enhance the urban and rural space's cultural flavor and charm, vigorously promote the development of the ceramic industry, tourism, agriculture, bring along the growth of the ceramic cultural and creative industries, the research and design of ceramic, food industries, the business of hotels and entertainment, logistic industry, take shape in the strong development of large quantities of green ecological industries. The promotion of green ecological economic development from the angle of cultural landscape space will push JDZ's integration into the program of Eco-economic zone around Poyang Lake as to protect the ecological environment of JDZ.

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